

# General Index to Volume 231

## January — December 1983

NB: The Arabic numbers refer to the pages and the Roman numbers I-XII refer to the issues in which the entry will be found.

**ABMEC**  
ABMEC Supplement, Minerals and Materials Handling, S1/S45 — XI

### ARTICLES

Anglo-Soviet roadheader project, 344/345 — VII  
Asea today — technology for tomorrow, 584 — XII  
Australia — Coal loader project 51/52 — II  
Automation and control in the mines 19/20 — I  
Automation of boom-type roadheaders, 235 — V  
Bananas and Waffles, 282/285 — VI  
Belt discharge filters at Bevercotes cope with coal slurry, 480 — IX  
Chock shield installation in the Parkgate Seam at Grimethorpe Colliery 72/77 — II  
Coal Market Developments Worldwide, S3/S5 — XI  
Coal mining safety, 484/488 — IX  
Continuous bunker level control at Tilmans Colliery 22/25 — I  
Conveyors and ancillary equipment, 568/570 — XII  
Data General launch new 32-bit mini-computer 29/30 — I  
Data logger monitors auxiliary fan site at Gedling Colliery 32/33 — I  
Design of longwall mining systems, 521/523 — X  
Developments in off-highway trucks, 247/249 — V  
Distributed system offers hardware and software enhancements, 30/31 — I  
Effects of Deeper Mining on Shaft Systems and Winder Design, The, S26/S35 — XI  
Environment and mining — the legal angle, The 429/433 — VIII  
Environmental aspects of new mine planning, 434/441 — VIII  
First radio-controlled rope haulage driven from the train 34 — I  
Front loader bucket maintenance, 490 — IX  
GEM 80 controls multi-million pound coal washery 33/34 — I  
Heavy-duty level control system for mining applications 34 — I  
Hydraulic excavator performance, 483 — IX  
Improving the amenity of coal in use, 422/428 — VIII  
Improving the cost effectiveness of long-wall shearers 59/68 — II  
Industrial communication system for modern plant operation 26/29 — I  
Knot pit-waste helps BR, 498 — IX  
Materials handling on the Selby Complex, S12/S14 — XI  
Materials handling — tending the miner's materials needs, S15/S17 — XI  
Moisture contamination of mine winder brakes, 491/496 — IX  
Motor range 37 — I  
Muck disposal at Grimethorpe, 469 — IX  
NCB research into longwall mining techniques, 510 — X  
100 years of Siemens mine locomotives, S2/S34 — X  
Opencast mining — the Cumbrian scene, 334 — VII  
Opencast — The history of a site before, during and after production, 384/389 — VIII  
Optimisation of face length by micro-computer, 228/231 — V  
Plant and equipment used in opencast mining and associated activities, S7/S10 — XI  
Preferred design of transfer points, 263/272 — VI  
Reinforced-concrete productivity gains from new CAD software package 37 — I  
Road making equipment, 497 — IX  
Role of loading and hauling equipment in surface mining, The 5 — I  
Role of the Mineworks Executive in British mining and civil engineering, The 403/409 — VIII  
Safety in Mines Research Conference, 470/479 — IX  
Selby Colliery — Wistow Flooding, 457 — VII  
Selby reaches maturity, 449/457 — VIII  
Selby's Wistow mine tools up, 250 — V  
7.3Mt of opencast coal in nine years, 341 — VII  
Some aspects of coal preparation research, S36/S39 — XI  
Sustainability — prediction and prevention, 411/415 — VIII  
Surface handling — deep mines, S18/S25 — XI  
Tension monitor, 581 — XII  
Textile reinforced rubber belting for fire resistant applications, S73/S76 — XII  
Top speed roadheading 37 — I  
Transportation by conveyors, 87/89 — III  
Treatment of coal in the 80's, The, S41/S44 — XI  
Two process control systems from Philips 26 — I  
UK equipment bound for 'AIMEX' 12/14 — I  
UK's largest opencast coal site reaches half-way stage, 577/580 — XII  
Use of land by the mining industry, The 442/444 — VIII  
Waste disposal and surface mobile plant, S45/S48 — XI

Waste disposal and the environment, 392/401 — VIII  
When a mine closes, 416/419 — VIII

### AUTHORS

Aillet, E J 434/441 — VIII  
Aikman, T, S36/S39 — XI  
Auer, A  
Blueloch, J D 392/401 — VIII  
Brook, C, S7/S10 — XI  
Brookes, G F, S36/S39 — XI  
Cobb, D W, S18/S25 — XI  
Dicke, A 442/444 — VIII  
Edwards, M J 422/428 — VIII  
Firstbrook, J, 263 — I  
Gent, A G, S26/S35 — XI  
Hackney, A M 353/356 — VII  
Hilton, N491/496 — IX  
Knot, S M 341/344 — XI  
Levitt, E 411/415 — VIII  
Lindley, G F 384/389 — VIII  
Livingstone, H 490 — IX  
Loneskie, S 95 — II, 228/231 — V  
Massey, C T 449/457 — VIII  
McK G, J 334 — VII  
Mills, L J 381/383 — VIII  
Murphy, G, S73/S76 — XII  
McKay, A M, S15/S17 — XI  
Miles, N J, S36/S39 — XI  
Neller, W C, S73/S76 — XII  
Newsam, J, S25/S35 — XI  
Noorduyne, F M, S3/S5 — XI  
Plumpton, N A 344/345 — VII  
Pyne, R, S12/S14 — XI  
Saltis, A R 276/280 — VI  
Sampey, C 416/419 — VIII  
Scholtes, W A 51/52 — II  
Scott, G F, S26/S35 — XI  
Singhal, Dr R K 5/9 — I, 45/49 — II, 87 — III, 247/249 — V  
Thornley, F R, S7/S10 — XI  
Turnbull, D 403/409 — VIII  
Wakelam, W A, S45/S48 — XI  
Webster, K H 235/241 — V  
Whitworth, Keith 59/68 — II, 107 — III, 341/342 — VII  
Widdowson, F 429/433 — VIII

### BOOK REVIEWS

ABMEC Buyers' Guide 1983/84 105 — III  
Coal development and use, 516 — X  
Coal Preparation Plant Association Buyers' Guide 1982 105 — III  
Coal Pyrolysis 129 — III  
Coke oven techniques 346 — VII  
Concrete in underground works, 516 — X  
Das Bergbau — Handbuch, 516 — X  
Day with a Miner, A 129 — III  
Design for assembly, 517 — X  
Dictionary of Applied Energy Conservation 286 — VI  
Energy economics in Britain, 516 — X  
Fundamentals of Coal Beneficiation and Utilisation 78 — II  
Great Western and Lewis Merthyr Collieries, The, 516 — X  
Guide to quarry reclamation, A 129 — III  
Hydrolysis of Coal 286 — VI  
Intrinsic Safety in Coal Mines 129 — III  
Laboratory work in soil mechanics 26, 105 — III  
Legal and institutional arrangements in mineral development 21 — I  
Lexicon of terms relating to the assessment and classification of coal resources 346 — VII  
Little mining lexicon, The, 516 — X  
Mineral effects of coal conversion 346 — VII  
Mining book wins premier award 129 — III  
Minerals Handbook 1982-83, The 129 — III  
Mining 1983, 517 — X  
Mining Society Magazine of The Polytechnic of Wales 129 — III  
Technical Management of Water in the Coal Mining Industry 129 — III  
35th Heating and Ventilating Refrigeration and Air Conditioning Year Book, 517 — X  
Total Project Management 286 — VI  
Underground haulage by diesel and storage battery locomotive, 516 — X  
Use of lasers, The, 517 — X  
Workshop on surface subsidence due to underground mining 21 — I

### COALFIELD NEWS

**Scotland**  
Coal Trail, 93 — III, Ayrshire expansion, 93 — III, Killoch recovers, 232 — V, Opencast working, 232 — V, Urge for pit, 232 — V  
Opposition to £1M mine plan, 509 — X  
Scottish Mine Museum, 509 — X  
**North East**  
Bates gets a leg up, 93 — III  
**Yorkshire**  
Up for training, 93 — III, Investment programme, 93 — III, Kellingly tops, 232 — V, Modernisation at Grimethorpe, 348 — VIII  
New tunnelling contract for Selby, 509 — X  
**N Derbyshire**  
Surface-mining productivity, 348 — VII  
**N Nottinghamshire**  
From acorns, 509 — X

### Western

NCB/USRR roadheader at Lea Hall, 509 — X  
Safety success, 232 — V, Win for Lea Hall, 348 — VII

### Wales

Welsh duet, 93 — III, Elevating production, 232 — V, Riding high, 232 — V, Improvement scheme, 348 — VII  
Mutton dressed as lamb, 509 — X

### COAL STATISTICS

14 — I, 70 — II, 106 — III, 175 — IV, 206 — V

### COMMENT

Benevolence at its best, 563 — XII  
Close down the old, bring in the new 331 — VII  
Community unemployment, 223 — V  
1988 — and all that, 3 — I  
Good news and bad news, 507 — X  
Heat-treatment in the coal mining sector, 259 — VI  
NCB Annual Report reveals a sad situation, 467 — IX  
No, No, No to Mac the Knife, 83 — III  
Over to Mr MacGregor, 467 — IX  
Put British industry first 43 — II  
Roads to success, 223 — V  
That was the year that was, 3 — I  
Welcome to ABMEC '83 259 — VI

### COMPANY NEWS

Ace is top of the pack, 555 — XI  
AGA Spiro Ltd, 555 — XI  
Air Force, The, 555 — XI  
Air tools expanding, 106 — III  
Anderson Strathclyde win China order, 526 — X  
Automation for the USA 56 — II  
BBC Hat-trick, 106 — III  
Belt service, 244 — V  
Big 50 56 — II  
Broyt shovels are here, 244 — V  
CADS at Gullicks, 106 — III  
Cheap coal need for industry, 525 — X  
Chinese agreement for Gullick Dobson, 555 — XI  
Coal conversion of ICI, 555 — XI  
Cotswold Milling Engineers Ltd, 555 — XI  
Debut for British company 18 — I  
Distributors appointed, 244 — V  
Dowty in Indonesia, 526 — X  
Dresser in Germany, 343 — VII  
Dunlop belting distributors, 555 — XI  
Dynamic Air Ltd, 526 — X  
Electronics & Instruments Division of Bell & Howell Ltd, The, 555 — XI  
Enquiry service 18 — I  
Export success 56 — II  
Extension of premises, 343 — VII  
Fairclough-Parkinson buy British, 527 — X  
£40,000 of instrumentation and control for NCB, 555 — XI  
Getting a lift, 527 — X  
Gullick Dobson win overseas orders, 525 — X  
Hagglund (UK) Ltd, 527 — X  
Heenan claim £500M saving on industry's energy costs, 525 — X  
Hydraulic cylinders contracts, 244 — V  
John Noad (Ceilings) Ltd, 527 — X  
Loans for jobs in former coal and steel areas, 244 — V  
Mine gas deal with north west factory, 527 — X  
NCB back yard 18 — I  
NCB Deputy Chairman visits Mining Suppliers, 525 — X  
Nearly there 18 — I  
New energy service company formed, 525 — X  
New factory move, 555 — XI  
No weak links here, 526 — X  
Nylons for mining, 343 — VII  
Over 60 miles of cable at Selby, 526 — X  
Port of Tyne coal handling facility, 525 — X  
Prince Michael of Kent visits JCB factory, 527 — X  
Product range consolidated 56 — II  
Pump suppliers expand, 555 — XI  
Queen's award 56 — II  
Radmark joins the Minworth Group, 555 — X  
Roadshow 83, 343 — VII  
Robbins UK 18 — I  
Saville Tractors Ltd, 527 — X  
Sprag clutch passes test, 555 — XI  
Surge in demand for pumps, A, 527 — X  
Technical service, 555 — XI  
Top award, 555 — XI  
Townprene (UK) Ltd, 555 — XI  
Tunnelling contract, 343 — VII  
£2.2M contract, 555 — XI  
Up, up and away, 526 — X  
Wild Pickles, 244 — V  
Wild winders at Selby, 555 — XI  
Wimpy wins, 343 — VII  
Yugoslavian order, 106 — III

### DIARY

11 — I, 50 — II, 90 — III, 218 — IV, 226 — V, 333 — VI, 468 — IX, 540 — X, 546 — XI, 565 — XII

### EQUIPMENT

Air pump launched, 254 — V  
All purpose cab unit, 583 — XI  
All terrain workhorse, 583 — XII  
Anderson saw solution 16 — I

Approval for solenoid valves, 254 — V  
Aquascribe, 350 — VII  
Automatic lubrication, 552 — XI  
Ballast packing, 126 — III  
Big Emco on trial, 583 — XII  
Boom mounted cutter, 350 — VII  
Chain hoists, 126 — III  
Coming down a cropper, 126 — III  
Constant filling fluid coupling, 552 — XI  
Contractors additions, 583 — XII  
Contractor tools, 488 — IX  
Coolers take heat out of coal production, 536 — X  
Dual-channel indicator, 583 — XII  
Dust filter, 126 — III  
Electronic haulage rope load monitoring system, 538 — X  
Emergency rescue pack, 536 — X  
Energy shake-up, 126 — III  
Extended range of cores, 128 — III  
Fenner belts meet new specification, 535 — X  
Fibre optics now, 128 — III  
Field rebuildable cutters, 128 — III  
Flexible conduit for hazardous areas, 538 — X  
FLP control sensors, 552 — XI  
FLP latching emergency stop, 538 — X  
FLP stop start 71 — II  
Glass linings for bunkers and chutes, 539 — X  
'Go anywhere' conveyor, 552 — XI  
Hi-Ace from Toyota, 350 — VII  
High-speed hollow spindle drill cores hard rock with diamond bits, 538 — X  
Hydraulic test unit, 349 — VII  
Impact shaft sinking, 71 — II  
Janitor, The, 71 — II  
Kratel agents, 488 — IX  
Longstop packing and stopping system, 539 — X  
Low voltage switchgear, 350 — VII  
Memory conveyors, 126 — III  
Microfilm reader, 349 — VII  
Mining plant controllers, 349 — VII  
Mobile grid loader, 538 — X  
Mud meter made 16 — I  
Narrow aisle scrubber, 552 — XI  
No-leak ventilation 71 — II  
No-touch survey system, 583 — XII  
Off-the-shelf belt-weigher, 539 — X  
Personal recovery hoist, 583 — XII  
Pitface workers' check, 349 — VII  
Portable instrumentation recorders, 535 — X  
Power sweeper 71 — II  
Precision plotting table, 552 — XI  
Protection device for diesel engines, 539 — X  
Pumping concrete, 128 — III  
Reclaimer wear cut 71 — II  
Right sucker, A 16 — I  
Scaled-down screeners, 128 — III  
Small compressors, 349 — VII  
Sonic scanning underground, 254 — V  
Surface-mining equipment, 128 — III  
Temperature and humidity probe, 126 — III  
Tilting table, 552 — XI  
Unit-train underground, 254 — V  
VDU for hazardous areas, 583 — XII

### EQUIPMENT IN ACTION

Bunker inspection winch, 572 — XII  
Down hole drill rig, 531 — X  
Dowty Mecos conveyors at Daw Mill, 528 — X  
Dragline assembly, 572 — XII  
1800 tonnes of washery refuse reloaded every hour, 531 — X  
Haulage conversion for new drift, 528 — X  
Lightning fast repair, 528 — X  
Nickel cadmium starter batteries, 531 — X  
Range of programmable-controller products, 531 — X

### EXTRACTS

1858-1883 Mining coal in Victorian Britain 140 — IV  
1884-1908 Into the twentieth century 164 — IV  
1909-1933 General Strike and the first world war, The 184 — IV  
1934-1958 Second world war and nationalisation, 201 — IV  
1959-1983 Expansion and contraction, 211 — IV  
Looking back to coal mining in the early twentieth century, 358/360 — VII  
Looking back to the General Strike, the first World War and only fifty years ago, 500 — IX  
Looking back to Victorian coal mining, 251/2 — V

### FEATURES

Automation, 235/241 — V  
Transportation, 247/249 — V

### HEADINGS

Award winning museum, 564 — XII  
B-MAC 4 — I  
Boost to mutual energy interests with China, 564 — XII  
British coal for Sweden, 564 — XII  
British coal in 1982/83, 225 — V  
Brown coal and its derivatives, 508 — X  
Chairman meets Minetender, 564 — XII  
China coal studies, 224 — V  
CIS host the City, 260 — VI  
CIS Luncheon, 224 — V

Coal Industry Bill, 547 — XI  
 Coal mining fatalities dropping, 84 — III  
 Coal price agreement 44 — II  
 Coal traders speak out, 564 — XII  
 Coalite and the Falklands, 547 — XI  
 Community service winner, 564 — XII  
 Computer-based mine management information technology 44 — II  
 Conveyor's speed Seaham's bulk traffic, 508 — X  
 Cost effectiveness of filtration/separation equipment and processes 4 — I  
 Councils call for statutory compensation in coal subsidence cases, 506 — X  
 Electronic Control Systems and Micro-processors in Mining — Safety and Reliability, 260 — VI  
 Energy Bus premiere, 547 — XI  
 £5 million 'Acid-Rain' research, 508 — X  
 Future of oil prices, The, 260 — VI  
 Guidelines on EC explosive atmospheres directives, 332 — VII  
 HSE Guide, 224 — V  
 Metals Society conference series, 84 — III  
 Miners' 'breakdown' service, 508 — X  
 Mining Engineers make Blackpool rock, 260 — VI  
 Mining in art 44 — II  
 Mining legislation, 508 — X  
 Mining Society President, 547 — XI  
 MQB change requirements, 331 — VII  
 National winner chosen, 564 — XII  
 NCB Chairman in Staffs, 547 — XI  
 NCB Chairman visits Selby, 547 — XI  
 NCB solve gas problem, 547 — XI  
 New coal handling facilities at Crawley depot, 508 — X  
 New Year Honours 44 — II  
 Perils of the VDU invaders, 564 — XII  
 Rayburn aho! 332 — VII  
 Safety Conference, 84 — III  
 Scargill — the last of the union barons 4 — I  
 Science in society, 224 — V  
 SEFIS 2, 225 — V  
 SFAS vintage steam wagon, 508 — X  
 Small Mines Federation honours its chairman, 547 — XI  
 Silver Rose Awards for business enterprise, 331 — VII  
 Standards agreement means better quality and trade for UK, 84 — III  
 Subsidence compensation, 225 — V  
 Twelfth World Mining Congress, 332 — VII  
 Vocational scholarship, 332 — VII  
 Where are you now? 224 — V

#### HUNDRED YEARS AGO, A

Criminal recklessness at the Oaks Colliery, 84 — III  
 Tunnel stuck in the mud, A 4 — I  
 What's new? 44 — II

#### MISCELLANEOUS

ABMEC '83 Mines Transport Exhibition, 288/322 — VI  
 Buyout from BL, 285 — VI  
 Changing — but with care, 381/383 — VIII  
 Colliery Guardian 1983 Students' Competition, 507 — X  
 Company histories 136, 158, 179, 197, 208 — IV  
 Congratulatory letters 135, 157, 178, 195, 207 — IV  
 Conveyor belt scales, 513 — X  
 Data acquisition system, 565 — XII  
 Disposal point illuminations, 580 — XII  
 Fastening system, 565 — XII  
 HVCA brochure, 125 — III  
 NCB sponsor lectureship, 285 — VI  
 New 16-tonner from ERF, 513 — X  
 Nordberg opens in Southall 280 — VI  
 Plastics solves waste water problem, 548 — XI  
 Protective coatings, 241 — V  
 Solid fuel's summer sale, 231 — V  
 Students hope for a future in coal industry, 566 — XII

#### OBITUARIES

Corbin, Peter 331 — VII

#### PEOPLE

15 — I, 55 — II, 243 — V, 275 — VI, 490 — IX  
 514 — X

#### PICTORIAL REVIEWS

Mining before 1883 155 — IV  
 Mining 1884-1908 176 — IV  
 Mining 1909-1933 194 — IV  
 Mining 1934-1958 206 — IV  
 Mining 1959-1983 217 — IV

#### PUBLICATIONS

Access 83, 580 — XII  
 Ace Conveyor Equipment, 553 — XI  
 'Airmail', 518 — X  
 Argus valves, new brochure, 518 — X  
 Auto belt spray unit, 518 — X  
 B-E dragline buckets, 518 — X  
 BICC Vantrunk Ltd, 553 — XI  
 Bulk handling service 68 — II  
 Cable moulding, 347 — VII  
 Chains for conveying and power transmission, reference guide, 518 — X  
 Clayton Heyes Engineering Company Ltd, 553 — XI  
 Climax Molybdenum Company, 580 — XII  
 Coal handling, 281 — VI

Compact low voltage moulded case circuit breakers, 553 — XI  
 Compact moulded case circuit breakers and 15th Edition of the Wiring Regulations, 518 — X  
 Conduits, 94 — III  
 Construction chemicals 68 — II  
 Control brochure, 242 — V  
 Conveyors and elevators, 518 — X  
 Courtlaids Engineering Ltd, 518 — X  
 Cover for all Reasons, The, 553 — XI  
 Croft Impres Ltd, 553 — XI  
 Custom built winches and haulages, 518 — X

De Beers, 580 — XII  
 De Beers EMB/EMBS natural diamond abrasive, 518 — X  
 Disconnect switches—INTERPACT 63-630A, 518 — X  
 Dowty Hydraulic Units Ltd, 553 — XI  
 Dust and fume control products, 553 — XI  
 Eimco-Secoma, 553 — XI  
 Electrical Equipment Certification Management Board, 518 — X  
 Endecotts Ltd, 518 — X  
 Energy saving, 347 — VII  
 Enerpac digital pressure gauges, 581 — XII  
 Face equipment 14 — I  
 FDB Electrical Ltd, 553 — XI  
 Flexon adjustable speed drives, 553 — XI  
 Furnascote Monograph, 518 — X  
 'Gear Formulae: Spur Helical Gears', 518 — X  
 Grout pumps, mixers, 518 — X  
 Hawker Siddeley in mining 281 — VI  
 Hazardous area lifting gear, 553 — XI  
 Helix Conveyors Ltd, 553 — XI  
 High performance products 281 — VI  
 HMSO's Energy Catalogue 1983, 553 — XI  
 Hoisting and conveying systems 68 — II  
 Hydraulic conversion kits, 553 — XI  
 Hydraulic low speed high torque motors and winches, 518 — X  
 Hydraulic power 14 — I  
 Hydraulics remanufacturer Peacock & Archer, 581 — XII  
 Industrial instruments 68 — II  
 Instant warehousing, 518 — X  
 'Instruments for Hazardous Use', 518 — X  
 Isometal Engineering Ltd, 518 — X  
 Joints, 94 — III  
 Klaxon, 553 — XI  
 Lifting and slinging attachments, 518 — X  
 'Light Vans—a Freight Guide', 518 — X  
 Literature from ASEA, 242 — V  
 Load haul dumpers, 94 — III  
 Load measuring shaft, 242 — V  
 Mail order facility, 242 — V  
 Mechanical Handling Engineers' Association, The, Buyers' Guide, 553 — XI  
 Mono products brochure 281 — VI  
 Movable conveyors, 94 — III  
 New safety boots, 518 — X  
 Noise levels, 94 — III  
 Parts support 14 — I  
 Plastic signs, 518 — X

Pressure transducers, 242 — V  
 Protection by hard surfacing, 347 — VII  
 Renovation, 242 — V  
 Reynolds Hollow Extrusions, 553 — XI  
 Roll crushers, 68 — II  
 SAP Gyro-Cone bin discharger, The, 553 — XI  
 Saunders Valve Company, 553 — XI  
 Separators for coal, 242 — V  
 Signalling, communications monitoring, control instrumentation, 518 — X  
 Signs, 94 — III  
 Specialised ventilators, 14 — I  
 Spray wet collectors, 242 — V  
 Spraydome—reinforced concrete storage system, 553 — XI  
 Starters 272 — VI  
 Stop crane collisions, 553 — XI  
 Surveying equipment, 347 — VII  
 System CP method of effluent treatment, 518 — X  
 Thermostatic mixing valves, 518 — X  
 Transducer shortform catalogue, 94 — III  
 Transportation systems 14 — I  
 Valve control, 242 — V  
 Vehicle wash, 94 — III  
 Visumimic monitoring, 281 — VI  
 Winching, lifting and moving gear, 94 — III  
 Winn & Coates (Denso) Ltd, 553 — X

#### STUDENTS' PRIZE COMPETITION LUNCHEON 1982

58 — II

#### STUDENTS' PRIZE PAPER

Investigation into ash and sulphur impurities, 353/356 — VII  
 Mining ventilation planning by computer using the genysys sub-system — 276/280 VI  
 Optimisation of face length by micro-computer, 95 — III, 228/231 — V

#### TAILINGS

ABMEC outward mission, 78 — II  
 Coal firing loans, 38 — I  
 Community coal mining activities in 1980 78 — II  
 EEC Conference, 38 — I  
 Hagglunds in York Museum, 38 — I  
 No job is worth dying for, 78 — II  
 Revised British Standards, 78 — II  
 Spain uses more coal, 78 — II  
 What about lasers? 38 — I

#### TRANSPORTATION

Bucket wheels or draglines? 45/49 — II  
 Transportation of men, materials and equipment underground, The, 107 — III

## NOTES

